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(71) Applicant: AGFA-GEVAERT [BE/BE]; Septestraat 27,
B-2640 Mortsel (BE).

(72) Inventors: LY, Cuong; Ignystrasse 24, 50858 Köln (DE).
GEIGER, Markus; Dürerstrasse 23, 51371 Leverkusen
(DE). VERMEULEN, Leon; AGFA-GEVAERT, Corpo-
rate IP Department 3800, Septestraat 27, B-2640 Mortsel
(BE). SCHMUCK, Arno; Herscheid 6i, 42799 Leichlin-
gen (DE).

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(54) Title: DEFORMABLE COLOUR PHOTOGRAPHIC SILVER HALIDE MATERIAL.

(57) Abstract: A deformable colour photographic silver halide material, said colour photographic silver halide material comprising on a deformable plastic support at least one blue-sensitive silver halide emulsion layer containing at least one yellow coupler, at least one green-sensitive silver halide emulsion layer containing at least one magenta coupler and at least one red-sensitive silver halide emulsion layer containing at least one cyan coupler, wherein the silver halide emulsions have an overall silver chloride content of at least 95 mold and at least one silver halide emulsion contains silver halide crystals that are doped with 10 to 700 nmol iridium

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DEFORMABLE COLOUR PHOTOGRAPHIC SILVER HALIDE MATERIAL

Field of the invention

5 The present invention relates to a deformable material for producing a deformed image without significant image degradation, said material has a good storage stability and is suitable for digital exposure with very short pixel times, large formats and automatic processing.

10

Background of the invention.

Deformable materials with colour and/or black and white motives, particularly those made of plastic, are used e.g. as
15 protective and/or decorative foils particularly in the furniture industry, in which they are used as design elements to cover low-priced and/or light weight carrier materials and/or carrier materials that are critical to the conditions of their use; the configuration of deformable material and carrier material replacing
20 much more expensive and/or heavier and/or less easier to handle and/or less resistant materials such as real wood, stainless steel or marble.

The manufacture of deformed plastic pieces with any kind of representations like images, designs, patterns, letters and so
25 forth, usually proceeds by printing on an undeformed flat foil of a thermoplastic polymer and is then deformed using heat and pressure.

The results obtained are unsatisfactory, because the printed pieces after deformation exhibit a loss in image quality, that is visible at all parts where the deformation has led to an elongation
30 of the deformed material. In particular a significant loss in image quality is observed after deformation at curved parts and still more so at sharp edges, which is particularly noticeable as a bright line and/or increase granularity following the curves and/or edges in homogeneously coloured dark areas, which is unacceptable,
35 particularly in the case of decorated furniture. Furthermore, the printing processes require complicated prepress steps and are therefore expensive and are not suitable for the manufacture of individual designs with small production runs.

Photographic layers, which were laminated onto a support,
40 have, for example, been disclosed in EP-A 0 250 657, US 3,871,119, EP-A 0 490 416 and EP-A 0 276 506 for the manufacture of materials for identity cards and in EP-A 1 189 108 have been disclosed for materials with a broader colour gamut. The layers can subsequently

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 089 125 A (KODAK) 4 April 2001 (2001-04-04)	1-3, 7-9, 12-14, 16, 17
Y	page 9, line 4 - line 22 page 12, line 33 - line 45 page 13, line 47 - page 37, line 13 page 41, line 41 - page 42, line 26 page 42, line 47 - page 43, line 39 page 46, line 30 - page 49, line 54; claims 1, 2 --- -/-	4-6, 15, 18, 19
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
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